

IN THE UNITED STATES DESIGNATED/ELECTED OFFICE

International Application No. : PCT/EP00/04632

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Applicant(s) (DO/EO/US) : MARCHAND, Jacqueline, et al.

Title: METHODS FOR PREPARING PERFLUORINATED [^{18}F]-RADIOLABELLED NITROIMIDAZOLE DERIVATIVES FOR CELLULAR HYPOXIA DETECTION

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

SIR:

Prior to calculating the national fee, and prior to examination in the National Phase of the above-identified International application, please amend as follows:

IN THE CLAIMS:

1. (Amended) A compound according to claim 1 having the formula 2(2-nitro-1H-imidazol-1-yl)-N-(3,3,3-trifluoropropyl) acetamide ($[^{18}\text{F}]\text{-EF2}$).
2. (Amended) A compound according to claim 1 having the formula 2(2-nitro-1H-imidazol-1-yl)-N-(2,2,3,3,3-pentafluoropropyl) acetamide ($[^{18}\text{F}]\text{-EF5}$).
3. (Amended) A method for the synthesis of a compound according to claim 1, comprising the step of coupling 2-(2-nitro-imidazol-1-yl) acetic acid with a $[^{18}\text{F}]\text{-labeled perfluoroalkyl amine derivative.}$